

**IN THE DRAWING**

Please add Fig. 2 as the attached drawings. The Fig. 2 is added according to the description in the specification and the original Fig. 1. No new matter is added.

## **REMARKS**

Very thanks for Examination's suggestion and thanks for finding some citations about the present invention, thereby, the applicant may know more information about the invention. This case has been carefully reviewed and analyzed in view of the office action. All details of the reference prior arts are fully considered and compared with the present invention.

### **ABOUT THE REJECTION SPECIFICATION**

Responsive to the objections and rejections made of the Examiner in office action. We have amended the specification to show the relation of the first and second coils, the impact rod, the elastomer and the switches.

### **ABOUT THE REJECTION OF DRAWINGS**

A drawing of Fig. 2 is added to show the relation of the first and second coils, the impact rod, the elastomer and the switches.

### **ABOUT CLAIM REJECTION OF 35USC103**

Indeed the citations disclose some features of the present invention, and the applicant agrees with these viewpoints, however applicant discovers that some main features of the present invention are not disclosed in the citation which can form the novelty and inventive step of the present invention.

To illustrate the novelty of the present invention and overcome the objection from the citations, the applicant decides to cancel Claim 1 to 5, without prejudice or disclaimer of the subject matter thereof, and add new claims 6 to 7. The added new claim 6 and 7 is based on the original

claims 1 to 5, and the features described in the DETAILED DESCRIPTION OF THE PRESENT INVENTION. The relation of the new claims with respect to the original claims are shown in the following REMARK, Examiners can read the claims more easily from the REMARK.

Claim 6. (New) ~~4~~ A force-control method for a dual coil electric beating device having a single chip and two coils for driving an impact rod to displace as at least one of two coils are induced, comprising the steps of, wherein the beating rod is located at centers of the two coils;

programming the single chip to control conduction time periods of the two coils so as to control the displacement of the impact rod.

~~2. The force control method for a dual coil electric beating device as claimed in 1,~~ wherein two coils are actuated at different timing.

~~3. The force control method for a dual coil electric beating device as claimed in 1,~~ wherein each coil is connected to a switch as a safety switch so as to provide a safety function;

wherein AC power is inputted from the ends; a fuse is installed at an input end of the AC power for avoiding over current to damage the elements of the circuit; a three terminal regulator, a single chip, resistors, capacitors, and diodes serve to provide DC current to the circuit.

Claim 7. (New) ~~4~~ A force-control method for a dual coil electric beating device having a single chip; an elastomer connected to an impact rod; and two coils for driving the impact rod as at least one of two coils are induced, comprising the steps

of:

programming the single chip to control conduction time periods of the two coils;

actuating at least one of the two coils to deform the elastomer according to the programming in the single chip;

de-actuating the actuating coils so as to restore the elastomer to displace the impact rod;

wherein the movement of the impact rod is controlled by the conduction time periods of the two coils which are determined by the programming of the single chip;

~~5. The force control method for a dual coil electric beating device as claimed in 1,~~ wherein each coil is connected to a switch as a safety switch so as to provide a safety function;

wherein AC power is inputted from the ends; a fuse is installed at an input end of the AC power for avoiding over current to damage the elements of the circuit; a three terminal regulator, a single chip, resistors, capacitors, and diodes serve to provide DC current to the circuit.

**(A) For the citation USP 5,760,552**

The above-mentioned USP5,760,552 disclose a structure similar to that of the present invention.

However in the present invention, referring to third paragraph in the page 3, in that “wherein AC power is inputted from the ends; a fuse is installed at an input end of the AC power for avoiding over current to damage the elements of the circuit; a three terminal regulator, a single chip,

resistors, capacitors, and diodes serve to provide DC current to the circuit."

However referring to the citation '552, no similar structure is disclosed. Thereby, these construct the novelty of the present invention over the prior art.


### **(B) RESULT**

Since in above discussion, it is apparent that no prior art has the features of the present invention, especially in new claim 6 and 7. Furthermore, as we know that no other prior art has features of the present invention. Thus, the present invention is novel and inventive.

**If there is any error in the specification, or claims, applicant requests and authorizes Examiner to amend the claims, specification and drawings of the present invention so that they can match the requirement of U. S. Patent. Attentions of Examiner to this matter are greatly appreciated.**

It is now believed that the subject Patent Application has been placed in condition for allowance, and such action is respectively requested.

Respectfully submitted.

  
Dated: 09 / 12 / 2005

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